

# IBM

## Exam Questions C2090-619

IBM Informix 12.10 System Administrator (C2090-619)



#### NEW QUESTION 1

Which Informix utility is used to print information about runtime statistics for all threads in the server?

- A. onstat -g sta
- B. onstat -g act
- C. onstat -g rea
- D. onstat -g cpu

**Answer: D**

#### NEW QUESTION 2

Which statement is true regarding default roles?

- A. The DBSA can define a default role to assign only to the PUBLIC group for a particular database.
- B. The privileges associated with a default role takes precedence over the privileges granted to an individual user.
- C. The DBSA can define a default role to assign to individual users or to the PUBLIC group for a particular database.
- D. When a user connects to a database, it is necessary to use the SET ROLE DEFAULT statement in order to gain the default role privileges.

**Answer: C**

#### NEW QUESTION 3

When you take a level 2 backup, what data is backed up?

- A. All new data since the last level 1 backup.
- B. All new data since the last level 2 backup.
- C. All logical logs which have not previously been backed up.
- D. All new data since the last level 0, level 1 or level 2 backup.

**Answer: A**

#### NEW QUESTION 4

Which two tasks can be performed through an Informix Grid? (Choose two.)

- A. Install Informix products.
- B. Start Informix servers in a grid.
- C. Copy external files to grid servers.
- D. Setup replication automatically in a grid.
- E. Modify replication server attributes for grid servers.

**Answer: CD**

#### NEW QUESTION 5

What is the purpose of the GRANT ADMIN privilege?

- A. Grants the admin privilege to create role separation.
- B. Grants the admin privilege to perform DBSA functions.
- C. Grants the admin privilege to use the Open Admin Tool.
- D. Grants the admin privilege to run SQL administration API commands.

**Answer: D**

#### NEW QUESTION 6

Which two statements are true about blob space? (Choose two.)

- A. The TEXT or BYTE objects are stored in the logical log files.
- B. A blob space is a logical storage unit that stores only TEXT and BYTE data.
- C. The TEXT or BYTE objects that are assigned to a blob space are physically logged.
- D. A newly created blob space is immediately available for storage of TEXT or BYTE data.
- E. The database server writes data stored in a blob space directly to disk without passing it through the bufferpool.

**Answer: BE**

#### NEW QUESTION 7

Which storage manager allows specification of a larger size than others for BAR\_XFER\_BUF\_SIZE?

- A. Informix Storage Manager (ISM)
- B. Informix Primary Storage Manager (PSM)
- C. Informix Secondary Storage Manager (ISSM)
- D. Informix Archive Restore Storage Environment (IARSE)

**Answer: B**

#### NEW QUESTION 8

Which option maximizes performance in an Informix Warehouse (DSS) environment?

- A. Higher value of LOGBUFF.
- B. Higher value of PHYSBUFF.
- C. Higher value of BUFFERPOOL and lower value of DS\_TOTAL\_MEMORY.
- D. SHMTOTAL set to 0 to allow Informix to access all available physical memory.

**Answer:** D

#### NEW QUESTION 9

To potentially reduce table extent interleaving, an Informix administrator would execute which storage optimization operation?

- A. Shrink
- B. Repack
- C. Compress
- D. Defragment

**Answer:** D

#### NEW QUESTION 10

"informix\_stores" is an established primary server with a SDS server. What is the effect of running the following command? EXECUTE FUNCTION sysadmin:admin("ha sds clear", "informix\_stores");

- A. Shuts down the primary server and converts the secondary server to be the primary.
- B. Clears the log position of the SDS servers and restarts replication.
- C. Converts the shared disk secondary server to a standard server and shuts down the primary server.
- D. Stops replication to the shared disk secondary servers and converts the primary server to a standard server.

**Answer:** D

#### NEW QUESTION 10

What does the following SQL administration command do? EXECUTE FUNCTION task("onmode", "wi", "/tmp/cfg\_20130601");

- A. Apply the new values for all configuration parameters in memory.
- B. Reset the values for dynamically updatable configuration parameters to the default values and save them in onconfig.
- C. Apply the new values for all dynamically updatable configuration parameters from the file "/tmp/cfg\_20130601" in memory.
- D. Apply the new values for all dynamically updatable configuration parameters from the file "/tmp/cfg\_20130601" and save them in onconfig.

**Answer:** C

#### NEW QUESTION 15

What kinds of Table Level Restores can be done by the archecker utility?

- A. Only logical restore.
- B. Only physical restore.
- C. Only point in time restore.
- D. Physical, logical, and point in time restores.

**Answer:** D

#### NEW QUESTION 18

Given the following:

##### **Table Schema**

```
CREATE TABLE tab1 (  
  col1 INT,  
  col2 TEXT ) LOCK MODE PAGE;  
CREATE UNIQUE INDEX tab1_idx1 ON tab1(col1);
```

##### **SELECT Statement**

```
SET ISOLATION TO DIRTY READ;  
SELECT {+INDEX(tab1 tab1_idx1)} col1 FROM tab1;
```

How many locks will be used on tab1 to run the query?

- A. 1
- B. 2
- C. Depends on the number of index pages accessed

**Answer:** A

**NEW QUESTION 22**

Which type of device does Primary Storage Manager support?

- A. File
- B. Tape
- C. Directory
- D. Named pipe

**Answer:** A

**NEW QUESTION 24**

Which configuration parameter should be set to enable asynchronous page requests when the database server detects that a query is waiting on I/O?

- A. DIRECT\_IO
- B. DBUPSPACE
- C. AUTO\_AIOVPS
- D. AUTO\_READAHEAD

**Answer:** D

**NEW QUESTION 26**

When KAIO is available and raw disk is used, which statement is true?

- A. Logical Log IO is performed by the LIO VP.
- B. Physical Log IO is performed by the PIO VP.
- C. Logical Log IO is performed by the KAIO VP.
- D. Physical Log IO is performed by the CPU VP.

**Answer:** D

**NEW QUESTION 27**

Where are the Primary Storage Manager catalog tables stored?

- A. sysutils database
- B. sysadmin database
- C. sysmaster database
- D. A location as specified by the PSM\_CATALOG\_PATH configuration parameter

**Answer:** D

**NEW QUESTION 28**

Which statement is FALSE about dbspace configurable page sizes?

- A. Dbspace page size can only be set for non-critical dbspaces.
- B. Possible page sizes are multiples of the default page size up to 16 kb.
- C. Configure page sizes as close to the backup / restore and network buffer size as possible for efficient data transfer across the wire.
- D. Dbspace page size should be configured to accommodate the greatest number of average row sizes with a minimum of remainder pages being used.

**Answer:** C

**NEW QUESTION 33**

What data migration tool(s) should be used to load data from a non-Informix data source?

- A. dbimport
- B. onload and dbload
- C. dbload and High Performance Loader
- D. onload and High Performance Loader

**Answer:** C

**NEW QUESTION 38**

The purge policy CANNOT be executed for a rolling window table utilizing which method?

- A. By calling the syspurge function.
- B. By the purge\_tables task of the Scheduler.
- C. By setting up the server to automatically run the purge policy.
- D. By running ALTER FRAGMENT with the PURGE NOW predicate.

**Answer:** D

**NEW QUESTION 40**

Which option provides the greatest performance benefit in an Informix warehouse environment?

- A. Setting lower value of PDQPRIORITY.
- B. Increasing the number of B-Tree cleaners.

- C. Setting higher value of DS\_TOTAL\_MEMORY.
- D. Setting value of OPT\_GOAL configuration variable to 0.

**Answer:** C

#### NEW QUESTION 44

Which fragmentation strategy is capable of generating new fragments automatically?

- A. Fragment by List
- B. Fragment by Range
- C. Fragment By Expression
- D. Fragment by Round Robin

**Answer:** B

#### NEW QUESTION 48

Which two parameters must be set to a valid value before starting a Shared Disk (SD) Secondary server? (Choose two.)

- A. SDS\_PAGING
- B. SDS\_TIMEOUT
- C. SDS\_TEMPDBS
- D. SDS\_LOGCHECK
- E. SDS\_ALTERNATE

**Answer:** AC

#### NEW QUESTION 52

Which statement is true for starting Connection Manager?

- A. Only user root and informix.
- B. Any user of the DBSA group.
- C. Any user who is granted privileges to connect to the sysadmin database.
- D. Only a user of the DBSA group with privilege to connect to the sysadmin database.

**Answer:** D

#### NEW QUESTION 57

Which is a valid Pluggable Authentication Module (PAM) mode in Unix?

- A. Login mode
- B. Client mode
- C. Server mode
- D. Password mode

**Answer:** D

#### NEW QUESTION 62

Which two statements are true about Informix OpenAdmin Tool? (Choose two.)

- A. Informix OpenAdmin Tool does not support multiple languages.
- B. Ontape backup can be taken using Informix OpenAdmin Tool.
- C. Informix cluster cannot be managed using Informix OpenAdmin Tool.
- D. Informix OpenAdmin Tool cannot be used to run the equivalent of onstat commands.
- E. SQL explorer feature provides Query Drill Down functionality to analyze SQL statements.

**Answer:** BE

#### NEW QUESTION 66

Which threshold setting applies when configuring automatic memory management?

- A. SHMTOTAL
- B. BUFFERPOOL
- C. SHMVIRTSIZE
- D. DS\_TOTAL\_MEMORY

**Answer:** A

#### NEW QUESTION 70

Which statement accurately describes the mapped user functionality in Informix?

- A. The DBSA can control the access to the database at the table level by creating different security labels for each user.
- B. The DBSA can create different roles for each user in order to verify whether the user who is attempting an operation has the necessary privileges.
- C. The DBSA can configure the server to allow database access by external users who do not have operating system accounts on the host computer.
- D. The DBSA can grant access to the database server to users of the host computer operating system by implementing different authentication mechanisms for each user.

**Answer:** C

**NEW QUESTION 74**

Which statement is FALSE?

- A. A new index can be created compressed.
- B. Attached indexes cannot be compressed.
- C. A compressed index can be uncompressed.
- D. A compressed index cannot be uncompressed.

**Answer:** C

**NEW QUESTION 76**

The DBA has defined the following configuration parameters in the onconfig file:

```
LOW_MEMORY_MGR 1
SHMTOTAL 1000000
```

The following SQL command is executed in the SYSADMIN database:

```
EXECUTE FUNCTION task("scheduler lmm enable",
    "LMM START THRESHOLD", "2",
    "LMM STOP THRESHOLD", "3",
    "LMM IDLE TIME", "300");
```

What are the actual values for LMM START THRESHOLD and LMM STOP THRESHOLD computed internally by the database server?

- A. LMM START THRESHOLD = 2MB and LMM STOP THRESHOLD = 3MB
- B. LMM START THRESHOLD = 20MB and LMM STOP THRESHOLD = 30MB
- C. LMM START THRESHOLD = 500MB and LMM STOP THRESHOLD = 333MB
- D. LMM START THRESHOLD = 2% and LMM STOP THRESHOLD = 3% of physical memory in the system

**Answer:** B

**NEW QUESTION 79**

Which statement is FALSE about Informix Automatic checkpoint Feature?

- A. Automatic checkpoints cause less logical log activity.
- B. Automatic checkpoints try to avoid transaction blocking.
- C. Automatic checkpoints cause the database server to trigger more frequent checkpoints.
- D. Automatic checkpoints can be dynamically enabled or disabled by using onmode -wm or onmode -wf.

**Answer:** A

**NEW QUESTION 84**

To potentially return unused extent pages to the chunk free list, an Informix administrator would execute which storage optimization operation?

- A. Shrink
- B. Repack
- C. Compress
- D. Defragment

**Answer:** A

**NEW QUESTION 88**

An Enterprise Replication server is a primary server for shared-disk secondary servers. The DBA wants to reduce the replication latency by reducing the number of transactions that are applied before the logs are flushed to disk. What configuration parameter should the DBA modify?

- A. CDR\_MAX\_TXNS
- B. CDR\_TSINSTANCEID
- C. CDR\_MAX\_FLUSH\_SIZE
- D. CDR\_LOG\_LAG\_ACTION

**Answer:** C

**NEW QUESTION 91**

The 'onstat -k' output is showing '56 lock table overflows'. Which catalog table can be used to display the relevant lock statistics?

- A. syslocks
- B. systables
- C. sysprofile
- D. sysoverflow



**Answer:** C

**NEW QUESTION 94**

Which command would you use to export and import backup object metadata from one database server to another in conjunction with Primary Storage Manager?

- A. onbar -E
- B. dbexport
- C. onsmsync
- D. ontape -exp

**Answer:** C

**NEW QUESTION 99**

Which two DataBlade extensions can be automatically registered? (Choose two.)

- A. Web DataBlade
- B. Spatial DataBlade
- C. TimeSeries DataBlade
- D. Excalibur Text DataBlade
- E. High Performance Loader DataBlade

**Answer:** BC

**NEW QUESTION 104**

Which action can be taken if an instance is down?

- A. A point-in-time mixed restore.
- B. Warm restore of non-critical storage spaces.
- C. Cold restore by onbar using storage space backups taken by ontape on tape devices.
- D. A mixed restore using onbar whole system backup and incremental dbspace level backups.

**Answer:** A

**NEW QUESTION 107**

Which Informix utility can be used to display contents of logical-log files, either from disk or from backup?

- A. onlog
- B. onclean
- C. ondblog
- D. onspaces

**Answer:** A

**NEW QUESTION 109**

An Informix server is configured with multiple CPU VPs and poll threads and is experiencing NSF lock errors. What action should be taken to reduce the network shared file lock contention?

- A. Increase the value of MAX\_INCOMPLETE\_CONNECTIONS.
- B. Increase the value of NUMFDSERVERS and add more poll threads.
- C. Increase the value of NUMFDSERVERS and increase the number of MSC VPs.
- D. Increase the network buffer pool using the IFX\_NETBUF\_PVTPPOOL\_SIZE environment variable.

**Answer:** B

**NEW QUESTION 110**

Where must the HA\_FOC\_ORDER configuration parameter be set?

- A. Any server in the cluster.
- B. The primary server only.
- C. The SDS secondary only.
- D. The HDR secondary only.

**Answer:** B

**NEW QUESTION 115**

Which two logging modes are compatible between two databases participating in a distributed query? (Choose two.)

- A. ANSI and non-ANSI
- B. Buffered and Unbuffered
- C. Buffered and Non-logging
- D. Non-logging and Unbuffered
- E. Non-logging and Non-logging

**Answer:** BE

#### NEW QUESTION 120

Which of configuration parameter can be increased to improve the performance of flushing dirty buffer pages during checkpoints?

- A. CKPTINTVL
- B. RA\_PAGES
- C. CLEANERS
- D. SHMVIRTSIZE

**Answer:** C

#### NEW QUESTION 122

Which statement is FALSE regarding SBSPACES?

- A. They are recoverable.
- B. They do not obey transaction isolation modes.
- C. They have read, write, and seek properties similar to a standard UNIX file.
- D. Smart large objects within table rows are not required to be retrieved in one statement.

**Answer:** B

#### NEW QUESTION 125

For a query to be processed by the accelerator, the query or query block should meet the certain criteria. Which statement is FALSE?

- A. The query or query block must include at least 2 fact tables.
- B. The query or query block must refer to a subset of the tables in the AQT.
- C. The scalar and aggregate functions in the query or query block must be supported by the Informix Warehouse Accelerator.
- D. The table references or joins specified in the query or query block must be the same as the references in the data mart definition.

**Answer:** A

#### NEW QUESTION 130

Which statement accurately describes the selective row-level auditing feature in Informix?

- A. Auditing can be configured so that row-level events of only selected views are recorded in the audit trail.
- B. Auditing can be configured so that row-level events of only selected tables are recorded in the audit trail.
- C. Auditing can be configured so that events of only selected rows within a table are recorded in the audit trail.
- D. Auditing can be configured so that row-level events of only selected partitions are recorded in the audit trail.

**Answer:** B

#### NEW QUESTION 132

The sector option for cdr utility is used to perform what operation?

- A. Dynamically convert ER cluster instances in order to perform rolling upgrades.
- B. Dynamically convert H/A cluster instances in order to perform rolling upgrades.
- C. Dynamically reconfigure Connection Manager SLAs for ER clusters in order to perform rolling upgrades.
- D. Dynamically reconfigure Connection Manager SLAs for H/A clusters in order to perform rolling upgrades.

**Answer:** B

#### NEW QUESTION 134

Which object can be compressed?

- A. dictionary table
- B. temporary table
- C. attached b-tree index
- D. detached b-tree index

**Answer:** D

#### NEW QUESTION 135

Which two statements are true?

- A. Temporary dbspaces can have different page sizes.
- B. Separate temporary dbspaces are required for each buffer pool.
- C. DBSPACETEMP dbspaces can be temporary or standard dbspaces.
- D. If rootdbs is mirrored then all the temporary spaces must be mirrored.
- E. If DBSPACETEMP is not configured then temporary space will never be used.

**Answer:** AC

#### NEW QUESTION 136

Consider the following Enterprise Replication command: `cdr define template temp1 -c g_serv1 -C ignore -a -d testdb`. Which statement is TRUE?

- A. The command defines a template to be realized on servers serv4 and serv5.



- B. The command defines a template to exclude database testdb from replication.
- C. The command defines a template to replicate the entire database testdb by defining replicates for each of the user defined tables in testdb.
- D. The command defines a template to replicate the entire database testdb by defining replicates for each of the views and system tables in testdb.

**Answer:** C

**NEW QUESTION 138**

Which configuration parameter locks the resident and virtual segments of shared memory in operating-system physical memory?

- A. SHMSEG
- B. SHMBASE
- C. RESIDENT
- D. INFORMIXSHMLCK

**Answer:** C

**NEW QUESTION 141**

Which of the following is NOT possible during a non-root Informix Server installation?

- A. Role Separation
- B. Create users and groups
- C. Create a database server instance
- D. Secure the Informix installation directory

**Answer:** B

**NEW QUESTION 144**

What is the purpose of the ifx\_getMartStat() function?

- A. To display status information about the data mart.
- B. To display update statistics information about the data mart and its tables.
- C. To display statistics about the workers and coordinators defined for the accelerator.
- D. To display status information about the Informix Warehouse Accelerator and all the data marts.

**Answer:** A

**NEW QUESTION 146**

Which parameter is used to enable transactions to complete after failover of the primary server?

- A. HA\_FOC\_ORDER
- B. FAILOVER\_CALLBACK
- C. CLUSTER\_TXN\_SCOPE
- D. FAILOVER\_TX\_TIMEOUT

**Answer:** D

**NEW QUESTION 150**

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